

LYNN C. SCOW

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EMPLOYMENT:

2016- Assistant Professor, California State University, San Bernardino

2013-16 Visiting Assistant Professor, Vassar College

2010-13 Research Assistant Professor, University of Illinois at Chicago

EDUCATION:

2010 Ph.D. in Mathematics

Thesis: *Characterization Theorems by Generalized Indiscernibles*,
University of California, Berkeley

Advisor: Thomas Scanlon

2004 B.A. in Mathematics and Philosophy from the University of California, Berkeley

RESEARCH INTERESTS:

Mathematical Logic (Model Theory), Combinatorics (Structural Ramsey Theory), Category Theory

RESEARCH PAPERS:

Categorical equivalence and the Ramsey property for finite powers of a primal algebra, (with Dragan Masulovic) *Algebra Universalis* 78 (2017), no. 2, pp. 159-179.

Characterizing Model-Theoretic Dividing Lines via Collapse of Generalized Indiscernibles, (with Cameron Donnay Hill and Vincent Guingona) *Annals of Pure and Applied Logic* 168 (2017), no. 5, pp. 1091-1111.

Indiscernibles, EM-types, and Ramsey Classes of Trees, *Notre Dame Journal of Formal Logic* 56 (2015), no. 3, pp. 429-447.

Tree Indiscernibilities, Revisited, (with Byunghan Kim and Hyeung-Joon Kim) *Archive for Mathematical Logic* 53 (2014), no. 1-2, pp. 211-232.

Characterization of NIP theories by ordered graph-indiscernibles, *Annals of Pure and Applied Logic* 163, no. 11 (2012), pp. 1624-1641.

WORK IN PROGRESS:

Ramsey Transfer to Reducts, submitted.

INVITED CONFERENCE TALKS:

- 2017** *2017 AMS Fall Western Sectional Meeting* (Riverside, November 2017, expected)
- 2017** *2017 AMS Spring Central Sectional Meeting* (Bloomington, April 2017)
- 2016** *2016 ASL North American Annual Meeting* (Storrs, May 2016)
- 2012** *Midwest Model Theory Day* (Chicago, October 2012)
- 2012** *2012 ASL North American Annual Meeting* (Madison, March 2012)
- 2012** *Neostability theory* (Banff, February 2012)
- 2011** *5th Logic School 2011* (Seoul, May 2011)
- 2011** *2011 ASL North American Annual Meeting* (Berkeley, March 2011)

CONTRIBUTED CONFERENCE TALKS & POSTERS:

- 2016** *5th annual Blended Learning in the Liberal Arts conference* (poster, Bryn Mawr, May 2016)
- 2016** *AMS Contributed Paper Session (at JMM)* (Seattle, January 2016)
- 2015** *BLAST2015@UNT* (Denton, June 2015)
- 2014** *Winter School in Abstract Analysis* (Hejnice, January 2014)
- 2013** *ASL Winter Meeting (with Joint Mathematics Meetings)* (San Diego, January 2013)
- 2012** *AWM Workshop (with Joint Mathematics Meetings)* (Boston, January 2012)
- 2010** *Logic Colloquium 2010* (Paris, July 2010)
- 2010** *Model Theory Conference in Seoul* (Seoul, May 2010)
- 2010** *2010 ASL North American Annual Meeting* (Washington D.C., March 2010)
- 2010** *ASL Winter Meeting (with Joint Mathematics Meetings)* (San Francisco, January 2010)
- 2009** *Ramsey Theory: Yesterday, Today and Tomorrow* (DIMACS, Piscataway, May 2009)

SEMINARS & COLLOQUIA:

- CSUSB Math Colloquium (February 2017)
- Wesleyan Math Colloquium (May 2015)
- Harvard/MIT Logic Seminar (December 2013)
- Penn Logic and Computation Seminar (November 2013)
- Connecticut Logic Seminar, Wesleyan University (November 2009 and October 2013)

- CUNY Model Theory Seminar (November 2012, October 2013 and October 2015)
- Toronto Set Theory Seminar (November 2012)
- Southern Illinois University Mathematics Department Colloquium Series (March 2011)
- Ewha Womans University Mathematics Department Seminar (May 2011)
- Southern Wisconsin Logic Colloquium, UW Madison (February 2011)
- Notre Dame Mathematical Logic Seminar (April 2011)
- University of Maryland Logic Seminar (November 2009 and March 2011)
- University of Illinois at Urbana-Champaign Logic Seminar (October 2010)
- McMaster University Logic Seminar (September 2010)

HONORS & AWARDS:**2017** Faculty Summer Research Fellowship

grant used for four weeks of research with co-PI Dr. Scott Cramer and student researcher Jacob Webb, project title "Algorithmic Analysis of Term Relations on Left-Distributive Algebras"

2017 Affordable Learning Solutions (AL\$) Grant

grant used to offset costs for students of implementing new low-cost materials in a pilot section of Math 80 in Winter 2017

2016 Q2S Developmental Math Transformation Proposal accepted by Steering Committee.**2015** Frances D. Fergusson Faculty Technology Exploration Grant

grant used to purchase Echo pen to experiment with writing dictated homeworks for a semi-flipped classroom

2014 Vassar Research Committee grant (for joint work with Cameron Donnay Hill and Vincent Guingona at MSRI program "Model Theory, Arithmetic Geometry and Number Theory")**2011** AWM Mentoring Travel Grant (Mentor: Byunghan Kim; Yonsei University, Seoul)**2011** Kurt Gödel Research Prize Fellowship Finalist (for paper "Characterization of NIP theories by ordered graph-indiscernibles")**2009** Outstanding Graduate Student Instructor Award**TEACHING DEVELOPMENT:****2017** junior co-facilitator for Summer 2017 TRC Math Department Professional Development Institute

- 2017** presenter at Affordable Learning Solutions Poster Showcase (with Dr. Susan Addington, Joyce Ahlgren and Pilar Olid)
- 2017** participant in 2017 New Faculty Learning Community at TRC.
- 2016** participant in *Principles of Program Design* December institute at TRC.
- 2016-** coordinator for Q2S Developmental Math Transformation Team.
- 2016-** advisor for math majors at CSUSB
- 2016** participant in September *New Faculty Retreat* at TRC.
- 2015-2016** pre-major advisor and math correlate advisor at Vassar College
- 2015** participant in Pedagogy In Action workshop: *Flipping Your Classroom* (Facilitators: Curtis Dozier and Steven Taylor) (Poughkeepsie, June 2015)
- 2015** participant in Faculty Retreat: *Beyond Access: Building a Tool-Kit of Inclusive Pedagogy* (Poughkeepsie, May 2015)

PROFESSIONAL SERVICE:

- Referee for *Annals of Pure and Applied Logic*, *Notre Dame Journal of Formal Logic*, *Journal of Mathematical Logic*
- 2016** co-chair of AMS Contributed Paper Session *General Topics I* at JMM (Seattle, January 2016)
- 2013** Co-organizer for *Model Theory: Special Session in Honor of Carol Wood* at *AWM Research Symposium 2013* (Santa Clara, March 2013)
- 2011** Co-organizer for *Model Theory and Its Applications* special session at *40 Years and Counting: AWM's Celebration of Women in Mathematics* (Providence, September 2011)
- 2010-13** Co-organizer for bi-annual *Midwest Model Theory Day* (UIC)
one day of talks with faculty and grad student participants from Marquette, Notre Dame, SIU, UIUC, UW Madison, and Western Illinois University
- 2010-12** Co-organizer for Logic Seminar (UIC)

DEPARTMENTAL/UNIVERSITY SERVICE:

- 2017-19** Faculty Senate position
 - 2017** CO Focus Group invited participant (Long Beach, July 2017)
- 2016-** Math Department Tea organizer
- 2016-** Math Department Advising (mostly Winter advising, some Coyote First Step advising)

2016- Q2S developmental math coordinator

2016-17 Calculus textbook committee member

INSTRUCTOR EXPERIENCE:

California State University, San Bernardino

- ★ Calculus I (MATH 211) (Summer/Fall 2017)
- ★ Topics in Mathematics (MATH 610) (Spring 2017)
- ★ Multivariable Calculus I (MATH 251) (Spring 2017)
- ★ Analysis and Proof (MATH 355) (Winter 2017)
- ★ Calculus III (MATH 213) (Winter 2017)
- ★ Applied Combinatorics (MATH 372) (Fall 2016)
- ★ Calculus II (MATH 212) (Summer/Fall 2016)

Vassar College

- ★ Single Variable Calculus (Fall 2013, 2 sections/Fall 2015, 2 sections)
- ★ Topics in Single Variable Calculus (Fall 2013)
- ★ Sequences and Series (Spring 2016, 2 sections expected, six-week course)
- ★ Multivariable Calculus (Fall 2014/Spring 2015, 2 sections/Fall 2015)
- ★ Methods of Applied Mathematics (Spring 2014/Spring 2015/Spring 2016, 2 sections expected)
- ★ Discrete Mathematics (Spring 2014)

University of Illinois at Chicago

- ★ Calculus I (Fall 2010/Fall 2012)
- ★ Calculus II (Fall 2011/Spring 2013)
- ★ Calculus III (Spring 2011)
- ★ Formal Logic I (Spring 2011/Spring 2012/Fall 2012)
- ★ Model Theory II (Fall 2011) (Graduate course)
- ★ Graduate Independent Study (Summer 2011/Spring 2012)

University of California, Berkeley

- ★ Calculus I (Summer 2007)
- ★ Analytic Geometry and Calculus II (Summer 2009)

OUTREACH & MENTORING ACTIVITIES:

- 2017** Mentor for undergraduate researcher Jacob Webb on summer research project “Algorithmic Analysis of Term Relations on Left-Distributive Algebras”.
- 2017** Canada/USA Mathcamp visitor (15-23 July 2017, Tacoma)
gave an invited talk and a weeklong class on Ramsey theory and generalized Ramsey theory
- 2015** Faculty mentor for Diving Into Research student research project: “Dynamics of a new Holling Type IV predator-prey model” (with Bibi Sulaman)
DIR is a program for incoming freshmen who are socioeconomically disadvantaged, from under-represented minority groups, or first-generation college students
- 2015** Faculty mentor for undergraduate research project: “The Dynamics of a Predator-Prey Age-Structured Model” (with Chase Morgan-Floyd)
- 2014-2015** panelist at annual *Stem Stories in Strong* brunch for women and non-binary students interested in pursuing STEM fields.
- 2013-2016** Faculty mentor for Vassar College AWM student chapter
projects: yearly AWM-invited colloquium speaker and peer-led Fall dinner to advise Spring course selection
- 2010-12** Faculty mentor for UIC AWM student chapter
- 2008-10** Founding member of Unbounded Representation, student group supporting under-represented groups in Mathematics. (UC Berkeley)
projects: fund-raising, peer-mentoring events, undergraduate-mentoring events, and invited career panelists
- 2009** MSRI-UP graduate student panelist
- 2009** Berkeley Edge graduate student volunteer
projects: programs for underrepresented prospective Ph.D. students in STEM
- 2008-09** Organizing member of Noetherian Ring, student group supporting women in Mathematics. (UC Berkeley)

PROFESSIONAL AFFILIATIONS: ASL, AWM